

Title (en)

METHOD FOR RESAMPLING AT THE TRANSMISSION OF A DIGITAL SIGNAL WITH DIGITAL BAND TRANSLATION

Title (de)

VERFAHREN ZUM RESAMPLING BEI DER ÜBERTRAGUNG EINES DIGITALSIGNALS MIT DIGITAL-BAND-ÜBERSETZUNG

Title (fr)

PROCEDE DE REECHANTILLONNAGE DANS LA TRANSMISSION D'UN SIGNAL NUMERIQUE AVEC TRANSLATION DANS LA BANDE NUMERIQUE

Publication

EP 1646151 B1 20180711 (EN)

Application

EP 04735485 A 20040531

Priority

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Abstract (en)

[origin: EP1646151A1] The procedure carries out a resampling (25) in reception of a band-pass signal in which the signal is translated (4) to base-band with a configurable frequency and the resulting base-band signal is introduced into a decimator (5). Likewise, a resampling is carried out in transmission (26) where the base-band signal is interpolated (10) in order to be later on translated to band-pass (20) with a configurable frequency. The procedure permits correction of the frequency error introduced by digital-analog (11) and analog-digital (1) converters. Moreover, the proposed unit made up of band translation and resampling permits the complexity of the interpolation filters used for generating new samples of the digital signal to be simplified.

IPC 8 full level

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Citation (examination)

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